

DRAFT

HHS LISTENING SESSION ON COMBATING ANTIBIOTIC-RESISTANT BACTERIA

February 26 – February 27, 2020

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Wednesday, February 26, 2020

LISTENING SESSIONS

9:00 am – 4:30 pm

Great Hall, Hubert H. Humphrey Bldg.

9:00 am – 9:10 am

WELCOME AND OVERVIEW OF DAY

Martin Blaser, Rutgers University

Lonnie King, The Ohio State University

PARTICIPANT ROLL CALL

Jomana Musmar, HHS

9:10 am – 9:25 am

OPENING REMARKS – RETIRED MEMBER APPRECIATION

Rear Admiral Erica G. Schwartz, Deputy Surgeon General

KEYNOTE SPEAKER

Eric D. Hargan, Deputy Secretary

9:25 am – 9:55 am

Patient and Stakeholder Stories

Marshall Bartlett, Home Place Pastures

Christina Fuhrman, patient advocate

Mary Millard, patient advocate

Chris Romm, patient advocate

9:55 am – 10:10 am

GROUP DISCUSSION (Q&A)

10:10 am – 11:40 am

PANEL 1: Innovation in an Era of Stewardship

Moderator – Helen Boucher, Tufts Medical Center

10:10 – 10:20 The Role of Stewardship in Optimizing the Use of New Agents

Sara Cosgrove, Johns Hopkins University

10:20 – 10:30 Antimicrobial Resistance Benchmark – Report from the World Economic Forum

Fatema Rafiqi, Access to Medicine Foundation (PHONE)

10:30 – 10:40 CMS Overview of Rule Changes to Promote Antimicrobial Stewardship Programs and Next Steps

Scott Cooper, Centers for Medicare and Medicaid Services

Michael Treitel, Centers for Medicare and Medicaid Services (PHONE)

10:40 – 10:50 Urgent Need for Novel Incentives in a Broken System

Emily Wheeler, Antimicrobials Working Group

10:50 – 11:00 Merck's Approach to Antibiotic Stewardship

Elizabeth Hermsen, Merck & Co., Inc.

11:00 – 11:40 GROUP DISCUSSION (Q&A)

11:40 am – 12:50 pm **LUNCH (session to start promptly at 1:00 pm)**

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|--------------------------|---|
| 1:00 pm – 2:30 pm | PANEL 2: Innovations in Prevention and Diagnostics Moderator – Angela Caliendo, Brown University |
| 1:00 – 1:10 | Current Research Pipeline for Vaccines and Diagnostics <i>Kent Kester, Sanofi Pasteur</i> |
| 1:10 – 1:20 | Vaccine Pipeline for Prophylactic Antimicrobial Resistance Prevention <i>Jan Poolman, Janssen, a Johnson and Johnson Company</i> |
| 1:20 – 1:30 | Vaccines and Innovations in Facility Infection Control to Prevent Neonatal Sepsis <i>Padmini Srikantiah, Bill and Melinda Gates Foundation</i> |
| 1:30 – 1:40 | Host-Based Solution to Addressing Antibiotic Misuse <i>Richard Rothman, Johns Hopkins University, School of Medicine</i> |
| 1:40 – 1:50 | Rapid Diagnostics Using Artificial Intelligence <i>Kwangmin Son, PhAST Corp.</i> |
| 1:50 – 2:30 | GROUP DISCUSSION (Q&A) |
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| 2:30 pm – 2:40 pm | SHORT BREAK |
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| 2:45 pm – 4:00 pm | PANEL 3: Disease Prevention and Management in Animals Moderator – Aileen Marty, Florida International University |
| 2:45 – 2:55 | Challenges in Animal Agriculture Antimicrobial Stewardship Programs <i>Locke Karriker, Iowa State University</i> |
| 2:55 – 3:05 | Precision Technology Opportunities to Enhance Animal Health <i>Justin Sexten, Performance Livestock Analytics</i> |
| 3:05 – 3:15 | Applications of Next Generation Sequencing to Inform Disease Management Decisions for Livestock <i>Maria Clavijo, Iowa State University Veterinary Diagnostic Laboratory; Genus PIC</i> |
| 3:15 – 3:25 | Innovations in Animal Feed (Additives) <i>Leon Marchal, DuPont & Wageningen University</i> |
| 3:25 – 4:00 | GROUP DISCUSSION (Q&A) |
| 4:00 pm – 4:20 pm | PUBLIC COMMENT |
| 4:20 pm – 4:30 pm | FINAL COMMENTS AND ADJOURN <i>Martin Blaser</i> <i>Lonnie King</i> |

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Thursday, February 27, 2020

LISTENING SESSIONS

9:00 am – 4:05 pm

Great Hall, Hubert H. Humphrey Bldg.

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|---------------------|---|
| 9:00 am – 9:05 am | WELCOME AND OPENING <i>Jomana Musmar, HHS</i> |
| 9:05 am – 9:25 am | Centers for Disease Control and Prevention Antibiotic Resistance Threat Report <i>Michael Craig, Centers for Disease Control and Prevention</i> |
| 9:25 am – 10:40 am | PANEL 4: New Insights on the Changing Antimicrobial Resistance Landscape Moderator – Elaine Larson, Columbia University |
| 9:25 – 9:35 | The Collective Antibiotic Resistance Landscape through a One Health Lens <i>Paula Cray, North Carolina State University</i> |
| 9:35 – 9:45 | Microbiome Research in the Pre-Antibiotic Age <i>Anna Dhody, Mütter Research Institute</i> |
| 9:45 – 9:55 | Penicillin Allergy Testing as a Component of Antimicrobial Stewardship <i>David Khan, American Academy of Allergy, Asthma and Immunology</i> |
| 9:55 – 10:05 | Antimicrobial Resistance and Environmental Hotspots <i>Randy Singer, University of Minnesota</i> |
| 10:05 – 10:40 | GROUP DISCUSSION (Q&A) |
| 10:40 am – 10:50 am | SHORT BREAK |
| 10:55 am – 12:05 pm | PANEL 5: The Gut Microbiome and Antimicrobial Resistance Moderator – Mike Apley, Kansas State University |
| 10:55 – 11:05 | Microbiome Health <i>Martin Blaser, Rutgers University</i> |
| 11:05 – 11:15 | Novel Small Molecule Antibiotic Targeting <i>C. difficile</i> <i>Urs Ochsner, Crestone</i> |
| 11:15 – 11:25 | Non-antibiotic Strategies to Modify the Microbial Population of Dairy Cattle: Impacts on Milk Production, Animal Health and Food Safety <i>Todd Callaway, University of Georgia</i> |
| 11:25 – 11:35 | Microbiome Therapeutics as a Novel Approach to Treat Infectious and Inflammatory Diseases <i>Matthew Henn, Seres Therapeutics</i> |
| 11:35 – 12:10 | GROUP DISCUSSION (Q&A) |
| 12:10 pm – 1:10 pm | LUNCH (session to start promptly at 1:15 pm) |
| 1:15 pm – 2:25 pm | PANEL 6: Future Demands on Food Production Moderator – Tiffany Lee, North American Meat Institute |
| 1:15 – 1:25 | Population Growth and Demands on Food <i>Ramanan Laxminarayan, Center for Disease Dynamics, Economics, and Policy</i> |

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1:25 – 1:35 **Antibiotic Consumption in Animals- A Reporter’s Perspective**

Jason Gale, Bloomberg

1:35 – 1:45 **Sustainability of Seafood Systems**

Michael Tlusty, University of Massachusetts Boston

1:45 – 2:15 **GROUP DISCUSSION (Q&A)**

2:15 pm – 2:25 pm **SHORT BREAK**

2:30 pm – 3:40 pm **PANEL 7: The Increased Demand for Aquaculture Protein**
Moderator – Alice Johnson, National Turkey Federation

2:30 – 2:40 **Aquaculture Overview**

David White, University of Tennessee

2:40 – 2:50 **Certification Standards for Antibiotic-Free Seafood**

Sebastian Belle, Maine Aquaculture Association

2:50 – 3:00 **National Antimicrobial Resistance Monitoring System Seafood Pilot Program**

Patrick McDermott, U.S. Food and Drug Administration

3:00 – 3:30 **GROUP DISCUSSION (Q&A)**

3:30 pm – 3:50 pm **PUBLIC COMMENT**

3:50 pm – 4:00 pm **FINAL COMMENTS AND ADJOURN**

Martin Blaser

Lonnie King